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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/633,720	08/05/2003	Jiro Abe	501.40558CX1	5705	
20457	7590 04/26/2004		EXAM	EXAMINER	
ANTONELLI, TERRY, STOUT & KRAUS, LLP			IP, SHIK LUEN PAUL		
1300 NORTH SEVENTEENTH STREET SUITE 1800			ART UNIT	PAPER NUMBER	
	I, VA 22209-9889		2837		
			DATE MAILED: 04/26/200	DATE MAILED: 04/26/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Paul Ip	2837			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.  after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a rep  - If NO period for reply is specified above, the maximum statutory period  - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be by within the statutory minimum of thirty (30) d will apply and will expire SIX (6) MONTHS fro e, cause the application to become ABANDON	timely filed days will be considered timely, om the mailing date of this communication. NED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on	'				
2a)☐ This action is <b>FINAL</b> . 2b)☒ This	s action is non-final.				
3) Since this application is in condition for allowa	nce except for formal matters, p	prosecution as to the merits is			
closed in accordance with the practice under t	Ex parte Quayle, 1935 C.D. 11,	453 O.G. 213.			
Disposition of Claims					
4) Claim(s) 1-4 is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-4</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/o	or election requirement.				
Application Papers					
9) The specification is objected to by the Examiner.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11)☐ The oath or declaration is objected to by the Ex	caminer. Note the attached Offic	e Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a	a)-(d) or (f).			
a)⊠ All b)□ Some * c)□ None of:					
<ol> <li>Certified copies of the priority document</li> </ol>	s have been received.				
2. Certified copies of the priority document	s have been received in Applica	tion No. <u>09/953,903</u> .			
<ol><li>Copies of the certified copies of the prior</li></ol>	rity documents have been receiv	ved in this National Stage			
application from the International Bureau	` ''				
* See the attached detailed Office action for a list	of the certified copies not receiv	ed.			
Attachment(s)	<b>—</b>				

## **DETAILED ACTION**

## Double Patenting

1. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

2. Claims 1-4 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 9-12 of U.S. Patent No. 6,611,118. Although the conflicting claims are not identical, they are not patentably distinct from each other because "said non-reverse input terminal is connected via a third resistor and a first capacitor which are arranged in parallel to a reference voltage" recited in claim 1 carries the same meaning as "a third resistor and a first capacitor are connected in parallel to a reference voltage" as recited in claim 9; "said non-reverse input terminal is connected via a seventh resistor to a reference voltage" of claim 1 carries the same meaning as "a seventh resistor is connected to a reference voltage" of claim 9; and "a twelfth resistor" of claim 1 and "an eighth resistor" of claim 9 are not patentable distinct other than one resistor is named "twelfth" and the other one resistor is named "eighth" of patent number '118. Claims 3 and 4 are given with the same interpretation as set forth in claims 1 and 2 rejection.

## Citation of Pertinent References

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The patent to Yokoyama et al. '676 discloses a magnetic head position controller comprising a first (O), a second (400, 411, 412), and a third (406) operation amplifiers as shown

in figures 3, 14, 17, 20, 27, 29, 32, 42, 46, and 80 except one of the input of the second amplifier is connected to the output of the third operation amplifier.

The patents to Merello et al. '214 and Kokami et al. 2002/0071199 disclose actuator drivers for disk drives comprising comparators for current feedback detection.

## Communication Information

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul Ip whose telephone number is (571)-272-1941. The examiner can normally be reached on Monday to Friday from 6:30 a.m. to 3:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Martin, can be reached on (571)-272-2107. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Paul Ip

Primary Examiner

Art Unit 2837

Paul IP